Objective 1: Protect human health by reducing exposure to contaminants in drinking water (including providing source water) in fish and shellfish and recreational waters.

Sub objective 1: Water Safe to Drink

Work Plan Component/Program:
Public Water System Supervision
Work years:

EPA Contact (s): Kelly Moran / Bill Arguto

State Contact: Jason Minnich

PRC: 201B03E

Program Description:

| Environmental Outcomes | Measures | Outputs for FY 2012 and 2013 (July 1, 2012 thru June 30, 2014) (Commitments) | Status/Obstacles/Comments |
|--|---|---|--|
| Ziivii oiiiileittai Outeoines | 1vicusui es | (Communicates) | Status, Obstacles, Comments |
| Protect human health by reducing exposure to contaminants in drinking water. | 2.1.1 – Percent of the population served by community water systems that receive drinking water that meets all applicable health-based drinking water standards through approaches including effective treatment and source water protection. SP-1 – Percent of community water systems that provide drinking water that meets all applicable health-based drinking water standards. | DATA MANAGEMENT OUTPUTS: Each quarter, ensure accurate and complete data related to inventory, compliance, and enforcement activities are provided to EPA in a timely manner. ACTIVITIES: Maintain a database management system for inventory, monitoring, and Monitoring/Reporting (M/R) and Maximum Contaminant Level (MCL) violations for all rule implementation priorities. Report quarterly (within 45 days of the end of each quarter) all violations / inventory updates and rule implementation priorities to SDWIS/FED. For National Program Manager Guidance Measures, see the notes in the "Program Management" section of this workplan. Report all inventory updates; M/R, MCL, Public Notification (PN), and treatment technique violations; Lead and Copper Rule (LCR) unaddressed violations; formal enforcement actions and successfully linking them to appropriate violations; variances and exemptions; milestone information is required under the regulations; required SWTR data; and compliance achieved, identify and correct erroneous data, and submit deactivation data to SDWIS/FED for all applicable systems, especially systems on the ETT list. Update system programming to meet changes to reporting requirements. Report data in accordance with the new Lead and Copper Rule Minor Revisions requirements. | Maintained the Pennsylvania Drinking Water Information System (PADWIS). The Quarterly Progress Report is now incorporated into this report. SDWIS/FED updates were submitted on 2/15, 3/15, 5/15, and 6/14/2013. DEP's Stage 2 Disinfectants/Disinfection By-Products Rule (D/DBPR), Lead/Copper Rule, and Short-term Revisions (LCRSTR) teams are currently working on development, implementation, and compliance determination of these rules. PADWIS programming is underway for Stage 2 D/DBPR and LCRSTR but has been delayed as we awaiting further guidance from EPA. |

Objective 1: Protect human health by reducing exposure to contaminants in drinking water (including providing source water) in fish and shellfish and recreational waters.

Sub objective 1: Water Safe to Drink

| Work Plan Component/Program: | EPA Contact (s): Kelly Moran / Bill | State Contact: Dawn Hissner | PRC: 201B03E |
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| Public Water System Supervision | Arguto | | |
| Work years: | | | |

Program Description:

| Environmental Outcomes | Measures | Outputs for FY 2013 and 2014 (July 1, 2012 thru June 30, 2014) (Commitments) | Status/Obstacles/Comments |
|--|-------------|--|---|
| Protect human health by reducing exposure to | (continued) | COMPLIANCE AND ENFORCEMENT | The 2012 Annual Compliance Report was submitted to EPA on 6/27/2013. |
| contaminants in drinking water. | | OUTPUTS: Undertake enforcement program with informal and formal actions; make compliance determinations consistent with federal regulations; and develop and deliver training programs for staff and public water suppliers. ACTIVITIES: Complete Annual Compliance Report by July 1st for the previous calendar year. Promote compliance with the regulations. Notify all systems of regulatory requirements, take enforcement actions, and provide technical assistance, and issue waivers, variances and exemptions, where appropriate number of technical assistance activities - number of enforcement actions taken - number of actions taken to promote compliance and describe Respond to systems on the ETT list and, each quarter; provide responses to the Ground Water and Enforcement Branch. Work with EPA's SNC Coordinator to determine why problems are occurring and take steps to correct. Maintain records of pertinent State decisions and report all responses to M/R and MCL violations in accordance with escalation procedures as negotiated in the State Compliance Strategy. Provide an update on the status of the State Compliance Strategy. | Number of enforcement actions taken during this reporting period (Source: eFACTS): • Total # enforcement actions = 104 • # formal actions = 94 • # informal actions = 10 • Total fines/penalties assessed = \$58,292 • Total fines/penalties collected = \$44,350* * includes penalty payments against violations/penalties assessed during an earlier reporting period Compliance Assistance Activities: • Delivered presentations at water industry meetings (PaAAEL, Pa Section AWWA). • Delivered training on Stage 2 DBPR to staff, water suppliers & certified operators • DEP issued the spring/summer edition of the Drinking Water Newsletter in June 2013. DEP responded to high priority PWSs per the ETT tool as follows: • Jan 2013 ETT Report – DEP provided responses for 75 PWSs on 2/19/2013. • Apr 2013ETT Report – DEP provided responses for 94 PWSs on 5/29/2013. DEP continued to maintain pertinent records on State decisions and reported all responses to violations. |

| | The Compliance Strategy is in the process of being updated with the new rules. |
|--|--|
| | |

Objective 1: Protect human health by reducing exposure to contaminants in drinking water (including providing source water) in fish and shellfish and recreational waters.

Sub objective 1: Water Safe to Drink

| Work Plan Component/Program: | EPA Contact (s): Kelly Moran / Bill Arguto | State Contact (s): Jason Minnich / Dawn Hissner | PRC: 201B03E |
|---------------------------------|---|---|--------------|
| Public Water System Supervision | | | |
| Work years: | | | |

Program Description:

| Environmental Outcomes | Measures | Outputs for FY 2013 and 2014 (July 1, 2012 thru June 30, 2014) (Commitments) | Status/Obstacles/Comments |
|--|-------------|---|---|
| Protect human health by reducing exposure to contaminants in drinking water. | (continued) | STATE REPORTING MEASURES AND KEY PWSS PROGRAM PERFORMANCE INDICATORS OUTPUTS: Meet required reporting through quarterly SDWIS compliance data or through other reporting already done under other initiatives such as the Source Water Matrix or Wellhead Protection Program reports. For information not already reported to EPA, the reporting frequency is semi-annual. ACTIVITIES: Implement federal rules: Total Coliform Rule; Phase II and V Rule for nitrates / nitrites and chronic contaminants; Lead and Copper Rule including the Minor Revisions and Short-term Revisions, Stages 1 and 2 Disinfectants/Disinfection Byproducts Rule; Interim Enhanced Surface Water Treatment Rule; Radionuclides Rule; Arsenic Rule, Filter Backwash Recycling Rule; Long Term 1 and 2 Enhanced Surface Water Treatment Rules; Public Notification Rule; Ground Water Rule; and all other currently regulated chemicals. Revise the State Compliance Strategy to reflect changes in the State and Federal regulations, including revised Penalty Authorities, any new or revised State MCLs, any new SNC definitions, State procedural or organizational changes, and State/U.S. EPA Enforcement Agreements. Screen data submitted by public water systems for evidence of data falsification and take follow-up enforcement action as appropriate. | All federal rules have been incorporated into Chapter 109. DEP has the authority to enforce all the state rules. • DEP is waiting for final comments from EPA regarding the Stage 2 D/DBPR primacy package. • DEP is preparing a response to additional questions on the GWR and LT2 primacy packages. • The LCRSTR primacy package was submitted to EPA on 7/7/2011. DEP is awaiting a response from EPA. • The outstanding VRB issues need to be resolved at the federal level. Once the issues are resolved, DEP will submit a primacy request for the Phase II/V rules. The Compliance Strategy is in the process of being updated for the new rules. DEP's central office, regional, and Bureau of Laboratories staff continued to screen data for evidence of data falsification. |

Certify that the responsible State agency (if not the drinking water program) continues An intern was hired in May to conduct the Lead Ban to enforce the Lead Ban, through inspections and State enforcement actions. Surveillance activities for 2013. For the Jan-June period, the intern surveyed 236 stores and determined the following: 183 stores sell solder and 124 sell only lead-free solder; 4 of the stores was selling banned solder; and, 12 stores were selling restricted solder in the plumbing section (were not in compliance with the PA Lead Ban Act). Violation notices are sent to all stores with a violation; repeat visits will be made to any store selling banned solder. The final 2012 report is posted at the following link: http://files.dep.state.pa.us/Water/Drinking%20Water%20 and%20Facility%20Regulation/DrinkingWaterPortalFile s/watersupply/pb ban rpt 2012.pdf Maintain records of tests, measurements, analyses, decisions, and determinations During this reporting period, all records were maintained as performed on each PWS to determine compliance with applicable drinking water required. regulations; sanitary surveys, enforcement actions, vulnerability determinations, Public Notice, etc.; make records available to the Regional Administrator upon request. CCR data entry for 2012 reports (due by July 1) was completed; Report on implementation of Consumer Confidence Rule (CCR). Report violations compliance will be calculated and violations were reported with and enforcement actions directly to SDWIS/FED by November 15. the August 15 and November 15 updates.

Objective 1: Protect human health by reducing exposure to contaminants in drinking water (including providing source water) in fish and shellfish and recreational waters.

Sub objective 1: Water Safe to Drink

Work Plan Component/Program:
Public Water System Supervision
Work years:

EPA Contact (s): Kelly Moran / Bill Arguto
Kevin Anderson (LT2)

PRC: 201B03E

Program Description:

| Environmental Outcomes | Measures | Outputs for FY 2013 and 2014 (July 1, 2012 thru June 30, 2014) (Commitments) | Status/Obstacles/Comments |
|--|-------------|--|--|
| Protect human health by reducing exposure to contaminants in drinking water. | (continued) | NEW REGULATION DEVELOPMENT OUTPUTS: Adopt all rules on schedule, complete all primacy application packages, report on major implementation issues or problems, and apply for extensions when necessary. ACTIVITIES: Revise State regulations so that these are as stringent as the analytical methods changes published in the Federal Register on December 5, 1994, March 5, 1997, December 1, 1999, May 15, 2001, and October 23, 29, 2002 [CFR §142.12]. Maintain and report on required statutory and regulatory authorities. Report on any changes to statutory, regulatory, or laboratory certification status of the State Primacy Agency. Report new rule data to SDWIS/FED per Extension/Implementation Agreements. For new rules that are in effect, but the state does not have Primacy, report information for EPA Region III to make compliance determinations. Implement the Lead and Copper Rule Short Term Revisions and Ground Water Rule. Prepare for the *Radon Rule by identifying and working with PWSs with elevated levels to reduce risk of exposure. Implement Stage 2 DBPR and Long Term 2 Interim Enhanced Surface Water Treatment Rule. Prepare for and adopt the Revised Total Colifirm Rule. *contingent upon EPA's promulgation schedule. | All federal rules (Stage 2 D/DBPR, LT2, GWR, and LCRSTRR) have been incorporated into Chapter 109. DEP has the authority to implement and enforce all of these rules. Approved analytical methods are incorporated by reference in DEP's regulations. DEP continues to implement and determine compliance for these rules. All major PADWIS programming changes required by the GWR have been completed. PADWIS programming is nearing completion for the Stage 2 D/DBPR (it had been delayed waiting for further guidance from EPA). PADWIS programming is complete for most of the LCRSTRR and LT2 rules. However, programming is still needed in order to accept Round 2 LT2 source water monitoring, which should be finished by January 2014. Quarterly updates of PADWIS data were reported to EPA for GWR, LT2, Stage 2 D/DBPR and LCRSTRR on February 15 and May 15, 2013. DEP will apply the alternative <i>E. coli</i> trigger level of 100 <i>E. coli</i> / 100mL for Round 2 monitoring. An LT2 implementation webinar was provided to Regional LT2 Leads and Managers. DEP's BOL is developing a 1623 and 1623.1 certification program so they may certify labs for Round 2 <i>Cryptosporidium</i> monitoring. |

Objective 1: Protect human health by reducing exposure to contaminants in drinking water (including providing source water) in fish and shellfish and recreational waters.

Sub objective 1: Water Safe to Drink

| Work Plan Component/Program: | EPA Contact (s): Kelly Moran / Bill Arguto | State Contact (s): Dawn Hissner / Pari Parikh / Bill | PRC: 201B03E |
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| Public Water System Supervision | | McNamara | |
| Work years: | | | |

Program Description:

| Environmental Outcomes | Measures | Outputs for FY 2013 and 2014 (July 1, 2012 thru June 30, 2014) (Commitments) | Status/Obstacles/Comments |
|--|--|---|--|
| Protect human health by reducing exposure to contaminants in drinking water. | SDW-1a – Percent of community water systems (CWSs) that have undergone a sanitary survey within the past three years (five years for outstanding performers) as required under the Interim Enhanced and Long-Term I Surface Water Treatment Rules. | SURVEILLANCE AND TECHNICAL ASSISTANCE OUTPUTS: Conduct number or percent sanitary surveys and other inspections/visits of water systems Ground Water CWS - Surface or GUDI CWS - NTNCWS - TNCWS Permit drinking water facilities to assure that the design and construction of facilities will be capable of compliance with drinking water standards number of plan review/permits issued Train operators and staff on regulations, treatment technologies, security, and public education numbers and types of training sessions held - number of individuals trained on new and current regulations and water treatment technologies, including focused training on small system treatment technology ACTIVITIES: Maintain an adequate sanitary survey program. With the help of EPA in-kind contributions and EPA instructors, coordinate a sanitary survey training course for Field Operations staff to develop capabilities for conducting an effective and comprehensive review of a public water system, including the eight essential elements of a sanitary survey as defined by EPA and State guidance. | Sanitary Survey Inspections conducted Jan. 1-June 30, 2013: • Groundwater CWS = 251 • Surface or GUDI CWS = 86 • NTNCWS = 145 • TNCWS = 619 Other inspections conducted (CWS and NCWS combined): • Partial = 1203 • Follow-Up = 253 • Complaint = -46 DEP conducted Stage 2 Disinfection Byproducts Rule training for water suppliers in 5 of 6 regions during this period. The Drinking Water Set-Asides grant funded these trainings. The EPA Sanitary Survey course for DEP Field Operations inspectors is planned for July 2013. The training will develop capabilities for conducting an effective and comprehensive review of a PWS, including the eight essential elements of a sanitary survey as defined by EPA and State guidance. During this reporting period, DEP staff worked directly with the contracted EPA instructors in planning the training and coordinating the mock inspections that will occur at two local treatment plants. |

DEP has a permitting program under Subchapter E of Chapter Maintain an adequate plan and specification review program to assure design and construction of new and modified PWS facilities. 109. Reviews are conducted by engineering staff, under the responsible charge of a licensed professional engineer. DEP issued 273 construction permits and 503 operation permits during the reporting period. DEP maintains a department-wide emergency response plan and Maintain the capability to respond to emergency circumstances and ensure provision of potable drinking water under emergency circumstances. enforces the requirements for CWSs to develop and update their own emergency response plan. Maintain documentation for and implement a Quality Management System. On January 7, 2011, EPA Region III approved PA DEP's Quality Management Plan. The plan addresses EPA's environmental data quality and process needs of grant-supported Develop, implement, and update documentation for Quality Assurance Project Plans programs and reflects an overall Quality Assurance Program framework that meets the needs of users and decision-makers. (QAPP). The Plan is valid for a period not to exceed five years. Establish and maintain a state program for the certification of laboratories. DEP maintained a state program for the certification of laboratories. Please refer to the Bureau of Laboratories annual report for more information. Carry out the responsibilities of the Unregulated Contaminant Monitoring Rule DEP completed the following UCMR3 activities during July (UCMR3). Provide sampling and reporting assistance to those water systems through December 2012: performing monitoring of List 1 and List 3 contaminants; assist EPA in obtaining • Notified PWSs of their selection to conduct Pre-Screen water system compliance through follow-up contact with those systems; review detects Monitoring and their assigned monitoring schedules. reported to SDWARS/UCMR and take action if needed; work with CWSs to include • Continued to answer questions from selected PWSs UCMR data in CCRs; work with CWSs, and NTNCWSs to include a notification of about UCMR 3 requirements the availability of the results of PNs. • Provided updates to EPA and identified replacement systems as needed.

Objective 1: Protect human health by reducing exposure to contaminants in drinking water (including providing source water) in fish and shellfish and recreational waters.

Sub objective 1: Water Safe to Drink

| Public Water System Supervision (SP-4a and 4(b) only) / Phil Consonery Work years: | Public Water System Supervision | EPA Contact (s): Kelly Moran / Bill Arguto | State Contact: Jason Minnich / Patrick Bowling (SP-4a and 4(b) only) / Phil Consonery | PRC: 201B03E |
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Program Description:

| Environmental Outcomes | Measures | Outputs for FY 2013 and 2014 (July 1, 2012 thru June 30, 2014) (Commitments) | Status/Obstacles/Comments |
|--|--|--|---|
| Protect human health by reducing exposure to contaminants in drinking water. | 2.1.1 – Percent of the population served by community water systems that receive drinking water that meets all applicable health-based drinking water standards through approaches including effective treatment and source water protection. SP-1 – Percent of community water systems that provide drinking water that meets all applicable health-based drinking water standards. SP-2 – Percent of "person months" (i.e. All persons served by CWSs times 12 months) during which CWSs provide drinking water that meets all applicable health-based drinking water standards. SP-4(a) Percent of CWSs where risk to public health is minimized | PROGRAM MANAGEMENT OUTPUTS: Report the six percentages for the FFY 2012 National Program Manager Guidance Measures for each target under the "Measures" column starting on this page and negotiate the FFY 2013 and 2014 measures with Region III when they are available. Measure Percentage Goal (%) 2.1.1\(^1\) 90 SP-1\\ SP-2\\ SP-2\\ SP-4(a)\\ SP-4(a)\\ SP-4(b)\\ SP-4(b)\\ To allow staff 45 days to respond to potential violations, violations generated during an alternative six-month period of December 1 through May 31, or June 1 through November 30, are provided. 2 To allow staff 45 days to respond to potential violations, violations generated during an alternative twelve-month period of June 1 through May 31 are provided. | For FFY 2012 (October 1, 2011 thru September 30, 2012): Measure Percentage Goal (%) SP-4(a) 25 35 SP-4(b) 70 81 SP-4(a) and SP-4(b) are lower than DEP's previous report due to improved tracking, which removed duplicate and inactive systems from our tallies. DEP emailed Region III on October 18, 2012 concerning this change. Measure SDWA-1a lists the percentage of community water systems that have undergone a sanitary survey within the past 3 years. The date used to determine the "past three years" is July 10, 2013. For FFY 2013 (October 1, 2012 thru September 30, 2013): Measure Percentage Goal (%) 2.1.1 96.7 90 SP-1 96.0 87 SP-2 99.51 91 SP-4(a) 25 28 SP-4(b) 70 72 SDW-1a 92.3 91 Measure SP-2 includes violations for the period June 1, 2012 through May 31, 2013, since the measure requires a 12 month |
| | through source water protection. | | data set. |

SP-4(b) – Percent of the population served by CWSs where risk to public health is minimized through source water protection.

SDW-1a – Percent of community water systems (CWSs) that have undergone a sanitary survey within the past three years (five years for outstanding performers) as required under the Interim Enhanced and Long-Term I Surface Water Treatment Rules.

FTEs Charged (at 1,600 hours per FTE). 48 and 47 FTEs are budgeted for FY 2013 and 2014, respectively. Approximately 15% is devoted to "Program Administration, Management, Development, and Evaluation" (CATS work code 38200) and the remaining time is devoted to "PWS Compliance Assessment" (CATS work code 38210). The Lead Ban Intern charges time to 38220.

Report the violation validation lag time statistics. (Goal = 30-day median value)

ACTIVITIES:

Prepare and submit DRAFT FY 2013 and FY 2014 grant application work plans to EPA Region III.

Prepare and submit a final FY 2013 and FY 2014 grant application that addresses all Region III comments on the preliminary draft plan.

Prepare and submit a semi-annual self assessment that reports State progress in meeting State program plan commitments to Region III.

Discuss all changes to the approved work plan with the EPA State Program Manager prior to making the change in order to determine if this is a significant program change requiring an amendment or other written documentation for the grant award.

Provide Federal Financial Reports (FFR) documenting FY 2012 and FY 2013 expenditures within 90 days of the end of the budget period.

Through separate progress reports, PA DEP will provide semi-annual updates on activities and outputs for Capacity Development, Operator Certification and Training, Source Water Assessment and Protection Programs, and the Water Protection (Security) Coordination Grant.

Compliance Report for 2012

See the attached spreadsheet for details on DEP's Cross Application Time Sheets (CATS).

38200 = 11.2 FTEs

38210 = 51.3 FTEs

38220 = 0.3 FTEs

Total for state FY '12-13 = 62.7 FTEs (includes state match)

See attached spreadsheet "Lagtime 05-31-2013.xlsx".

For state FY '12-13 and FY '13-14, DEP submitted draft workplans through grants.gov on May 8, 2012 and April 29, 2013, respectively.

For state FY '13-14, EPA Region III and DEP discussed the draft workplan during a May 20, 2013 conference call. Other than the need to revise National Program Manager Guidance Measures, DEP received no comments from Region III staff.

The PWSS semi-annual progress reports were delivered to EPA Region III on August 15, 2012, February 11, 2013, and August 5, 2013.

EPA Region III and DEP renegotiated commitments for the FFY 2013 NPM Guidance Measures during this reporting period. The revised goals are included under the outputs in this section of the workplan.

FFRs are completed by Pennsylvania's Comptroller Operations in the Office of the Budget and submitted directly to EPA. EPA Region III granted an extension to December 31, 2012, for completing the final FFR for July 1, 2010 through June 30, 2012. The FFR was completed on December 12, and EPA's Las Vegas Finance Center received a faxed copy.

The following updates and reports were submitted to EPA:

- Annual Report: Drinking Water Operator Certification Program for calendar year 2011—6/28/2013
- Annual Report: Public Water System Compliance Report for Calendar Year 2012—6/27/2013
- Semi-Annual Report: set-asides grant progress report—8/6/2013
- Semi-Annual Report: SWAP updates via the set-asides progress report—8/6/2013
- Annual Report: Capability Enhancement Program for state FY '11-12—11/29/2012

Objective 1: Protect human health by reducing exposure to contaminants in drinking water (including providing source water) in fish and shellfish and recreational waters.

Sub objective 1: Water Safe to Drink

| Work Plan Component/Program: | EPA Contact (s): Kelly Moran / Bill Arguto | State Contact: Dawn Hissner | PRC: 201B03E |
|---------------------------------|--|-----------------------------|--------------|
| Public Water System Supervision | | | |
| Work years: | | | |

Program Description:

| Environmental Outcomes | Measures | Outputs for FY 2013 and 2014 (July 1, 2012 thru June 30, 2014) (Commitments) | Status/Obstacles/Comments |
|---|----------|---|---|
| Protect human health by reducing exposure to contaminants in drinking water. CAS: Correct deficiencies noted during data verification audits. Improve the understanding of new and existing regulatory requirements. | | ADDITIONAL STATE ACTIVITIES FUNDED WITH PWSS GRANT MONIES OUTPUTS: Submit a status update in the semi-annual progress report. ACTIVITIES: A Compliance Assessment Specialist (CAS) will continue to develop guidance documents for new or revised regulations as well as work with EPA Region III staff to adapt EPA's current Data Verification Protocol to address the unique features of PADWIS and then conduct regional and district office data verifications on a continuing basis. | The CAS continued work on LT2, Stage 2 D/DBPR, and GWR implementation issues and evaluating staff violation/enforcement responses for appropriateness and consistency. The CAS and other Operations staff continued to address staff questions on the use of (and make revisions as needed to) the DEP's Sanitary Survey reference checklist. |